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I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's rights certificate(s), or \$65(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any forcign application for patent or inventor's or plant breader's rights certificate(d), or any PCT international application having a filing date before that of the application on which priority is claimed. Certified Copy Attached? Foreign Filing Date Priority Prior Foreign Application Country NO **Not Claimed** YES (MM/DD/YYYY) Number(s) Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 3]

Burden Hour Stammont: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trudemark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. kep-2144.doc

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DECLARATION - Utility or Design Patent Application Direct all correspondence to: 20,995 Practitioners at Customer Number Correspondence address below: Firm or Individual Name Address . State ZID City Fax Telephone Country I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may joopardize the validity of the application or any patent issued A petition has been filed for this unsigned inventor. NAME OF SOLE OR FIRST INVENTOR: Family Namo Holden Given Name Or Surname (first and middle [if any]) BURLINGARE USA USA CA -San Francisco Citizenship Residence: City 2/3/04 750 Conzalcz Drivo, Apt. 11-M Mailing Address 24132 94010 USA Country TO PETOGAME A petition has been filed for this unsigned inventor. NAME OF SECOND INVENTOR: Family Name Zhang Given Name Xiao Ping Or Surname (first and middle [if any]) algnature. P.R. China CA Mississauga Ont Country State Residence: City 5831 Raidspring Drive Mailing Address Canada L5M 6X6 Ontario Mississauga Country City State supplemental Additional inventor(s) sheet(s) PTO/SB02A attached hereto. Additional inventors are being named on the

[Page 2 of 3]

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PTO/SB/02A (10-01) Approved for use through 10/31/2002. OMB 0651-0032 Please type a plus sign (+) inside this box -> + U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. ADDITIONAL INVENTOR(S) Supplemental Sheet DECLARATION Page 3 of 3 A petition has been filed for this unsigned inventor. Name of Additional Joint Inventor, if any: Family Name Allison Daniel B. Given Name Or Surname (first and middle [if any]) **USA USA** IN Indianapolis Citizenship Country State Residence: City 6110 Crows Nest Drive Mailing Address Mailing Address USA 46228 M Indianapolis Country Zip State City A petition has been filed for this unsigned inventor. Name of Additional Joint Inventor, if any: Family Name Tomancy Given Name Austin B. Or Surname (first and middle [if any]) United Kingdom USA CA San Francisco Citizenship State Residence: City 184 States Street Malling Address Mailing Address **USA** 94114 San Francisco CA Country Zip State City A petition has been filed for this unsigned inventor. Name of Additional Joint Inventor, if any: Family Name Given Name Or Surname (first and middle [if any]) Citizenship State Country Residence: City Mailing Address Malling Address Country State R:\DOCS\KEP\KEP-2144.DOC:\w 120103

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| | STATEMENT UNDER 37 CFR 3.73(b) |
|---|---|
| Applicant/Patent Owner: Da | vid P. Holden, XiaoPing Zhang, Daniel B. Allison and Austin B. Tomaney |
| Application No./Patent No. | 0/611,414 Filed/Issue Date: June 30, 2003 |
| Entitled: A SYSTEM AND N | ETHOD FOR SNP GENOTYPE CLUSTERING |
| Applera Corporation, a | Corporation (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) |
| stat s that it is: | |
| 1. X the assignee of the | entire right, title and interest; or |
| an assignee of less The extent (by, per | than the entire right, title and interest. centage) of its ownership interest is% |
| In the patent application | patent identified above by virtue of either: |
| A. [X] An assignment from was recorded in the or for which a copy t | the inventor(s) of the patent application/patent identified above. The assignment United States Patent and Trademark Office at Reel, Frame, hereof is attached. |
| OR | Total In Million |
| B. [] A chain of title from assignee as shown | the inventor(s), of the patent application/patent identified above, to the current pelow: |
| 1. From:The documer Reel | To: t recorded in the United States Patent and Trademark Office at, Frame, or for which a copy thereof is attached. |
| 2. From: The documer Real | To: t recorded in the United States Patent and Trademark Office at, Frame, or for which a copy thereof is attached. |
| Reel | To: t recorded in the United States Patent and Trademark Office at, Frame, or for which a copy thereof is attached. |
| [] Additional documer | its in the chain of title are listed on a supplemental sheet. |
| INOTE: A separate conv | ther documents in the chain of title are attached. i.e., the original sesignment document or a true copy of the original document) must to Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the MPEP 302.08] |
| The undersigned (whose title is | supplied below) is authorized to act on behalf of the assignee. |
| Feb 4, 2004 | |
| Date | Typed or printed name |
| | Signature |
| | Sr. Patent Attorney Title |
| LIN COOLUMN DAVID AL 45 DAVI | |

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LIMITED AUTHORIZATION TO ACT ON BEHALF OF ASSIGNEE REGARDING CERTAIN PATENT AND TRADEMARK MATTERS EFFECTIVE THROUGH: December 31, 2005

I. Paul D. Grossman, as Assistant Secretary of Applera Corporation ("Applera"), hereby authorize: Vincent M. Powers, Reg. No. 36, 246, Scott R. Bortner, Reg. No. 34,298, Jeffery D. Frazier, Reg. No. 34,601, and Andrew T. Karnakis, Reg. No. 27,909, all Senior Patent Attorneys, (1) to act on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark entities, (2) to execute power of attorney documents on behalf of Applera, to appoint and/ or establish any attorneys, agents, and/ or law firms to act on behalf of Applera, in any foreign or international patent or trademark applications filed with any foreign and/ or international patent or trademark offices, and (3) to execute assignment and ownership documents on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark offices.

| Pan grossman | 1-9-03 |
|---|---|
| Paul D. Grossman | Date |
| Assistant Secretary, Applera Corporation | |
| | |
| State of California) | |
|) 55. | |
| County of San Mateo) | |
| On Jan. 9 2003 before me, Patti D. Selar | 1. Notary Public |
| personally appeared Vaul D. Gossman, perso | nally known to me (or proved to me or |
| the basis of satisfactory evidence) to be the person wh | ose name is subscribed to the within |
| instrument and acknowledged to me that he/sto/they execu | ited the same in his/ha/their authorize |
| capacity(i)(s), and that by his/her/their signature on the | |
| upon behalf of which the person(s) acted, executed the inst | hument. |
| WITNESS my hand and official seal | |



Notary Public

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ASSIGNMENT

For good and valuable consideration paid to us, receipt of which is hereby acknowledged, we cach,

David P. Holden, 600 Ansel, #10, Burlingame, CA 94010, US Citizen

XiaoPing Zhang, 5831 Rainspring Drive, Mississauga, Ontario, Canada L5M 6 R. P.R. of Phina

Daniel B. Allison, 6110 Crows Nest Drive, Indianapolis, IN 46228, US Citizen

Austin B. Tomaney, 184 States Street, San Francisco, CA 94114, United Kingdom Citizen

do hereby sell, assign, and set over unto

Applera Corporation

a Delaware corporation having a place of business at 850 Lincoln Centre Drive, Foster City, California (hereinafter "Assignee"), its successors, legal representatives and assigns, each of our entire right, title, and interest in and to any and all of my inventions and discoveries entitled:

A SYSTEM AND METHOD FOR SNP GENOTYPE CLUSTERING

as described and/or claimed in my United States patent application, having an oath or declaration fully executed by us and, subsequently assigned Serial Number 10/611.414 and filing date of June 30, 2003 by the United States Patent and Trademark Office; in and to the right to file patent applications in the name of Assignee, its designee, in all of our names, or in any other name or names, on the aforesaid inventions and discoveries in any or all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified United States patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models, and under any other international arrangement to which the United States now is or hereafter becomes a signatory; in and to any and all applications for Letters Patent, and any and all Letters Patent that issue on any of the aforesaid applications, and in and to any and all divisions, continuations, and continuations-in-part of any and all of said applications, and any and all reissues, renewals and extensions of any of said Letters Patent, such that the same right, title and interest to be held and enjoyed by Assignce, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, shall be as full and complete as that that would have been held and enjoyed by us if this assignment and sale had not been made.

We further hereby covenant and agree, for the same consideration, whenever counsel of Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with said invention, or said application for Letters Patent, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable to sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

We hereby authorize Assignee to insert in this instrument the serial number and filing date of said application when officially notified thereof.

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Name of inventor:

David R Holden

Inventor's signature

Date: 9/3/04

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State of California

) 88.

County of San Mateo)

On <u>February</u> 3, 2004 before me, <u>Thery R. Gomez</u>, <u>Nothery Public</u>, personally appeared <u>David P. Holden</u>, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Chuy & Doming Notary Public

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ASSIGNMENT

For good and valuable consideration paid to us, receipt of which is hereby acknowledged, we each,

David P. Holden, 750 Gonzalez Drive, Apt. 11-M, San Francisco, CA 94132, US Citizen XiaoPing Zhang, 5831 Rainspring Drive, Mississauga, Ontario, Canada L5M 6X6, P.R. of China Daniel B. Allison, 6110 Crows Nest Drive, Indianapolis, IN 46228, US Citizen Austin B. Tomaney, 184 States Street, San Francisco, CA 94114, United Kingdom Litteen

do hereby sell, assign, and set over unto

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Applera Corporation

a Delaware corporation having a place of business at 850 Lincoln Centre Drive, Foster City, California (hereinafter "Assignee"), its successors, legal representatives and assigns, each of our entire right, title, and interest in and to any and all of my inventions and discoveries entitled:

A SYSTEM AND METHOD FOR SNP GENOTYPE CLUSTERING

as described and/or claimed in my United States patent application, having an oath or declaration fully executed by us and, subsequently assigned Serial Number 10/611,414 and filing date of June 30, 2003 by the United States Patent and Trademark Office; in and to the right to file patent applications in the name of Assignee, its designee, in all of our names, or in any other name or names, on the aforesaid inventions and discoveries in any or all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified United States patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models, and under any other international arrangement to which the United States now is or hereafter becomes a signatory; in and to any and all applications for Letters Patent, and any and all Letters Patent that issue on any of the aforesaid applications, and in and to any and all divisions, continuations, and continuations-in-part of any and all of said applications, and any and all reissues, renewals and extensions of any of said Letters Patent, such that the same right, title and interest to be held and enjoyed by Assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, shall be as full and complete as that that would have been held and enjoyed by us if this assignment and sale had not been made.

We further hereby covenant and agree, for the same consideration, whenever counsel of Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with said invention, or said application for Letters Patent, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable to sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

We hereby authorize Assignee to insert in this instrument the serial number and filing date of said application when officially notified thereof.

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Name of inventor:

XiaoPing Zhang

Inventor's signature

Date: 1971, 22 04

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CANADA

On January 22, 2004 before me, Gordon J, E. Bobesich, personally appeared XiaoPing Zhang, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. Delvens License 23187-78987-20307

WITNESS my hand and official seal.

Notary Public

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Name of inventor:

Daniel B. Allison

Inventor's signature

Date: 1/20/2004

State of Indiana

) ss.

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County of Manison

On Jan 20

_ 2004 before me, Richard Merdelschn

personally appeared <u>Daniel B. Allison</u>. personally known to me (or proved to me on the basis of satisfactory evidence) to be the <u>person</u> whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

flelland Menolitishn

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| Name of inventor: | Austin B. Tomaney |
|--|---|
| Inventor's signature _ | Date: 62/04/2004 |
| | |
| | COPY |
| State of California | S ss DO NOT RECORD |
| County of San Matco | |
| personally appeared actionally appeared actions acknowledged to me | Austin B. Tomaney, personally known to me (or proved to me on the basis of to be the person whose name is subscribed to the within instrument and that he executed the same in his authorized capacity, and that by his signature on son, or the entity upon behalf of which the person acted, executed the instrument. |

WITNESS my hand and official seal.



Notary Public

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